



SEQUENCE LISTING

<110> YAMAGUCHI, MASAYOSHI

<120> MODEL ANIMAL WITH OVEREXPRESSION OF REGUCALCIN

<130> 671302-2006

<140> 10/804,515

<141> 2004-03-19

<150> PCT/JP02/09611

<151> 2002-09-19

<150> JP 2002-177666

<151> 2002-06-18

<150> JP 2001-287698

<151> 2001-09-20

<160> 4

<170> PatentIn Ver. 3.2

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<212> DNA

<213> Rattus norvegicus

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1					5				10					15		

ggg	gag	tcc	cct	gtg	tgg	gag	gag	gca	tca	aag	tgt	ctg	ctg	ttt	gta	96
Gly	Glu	Ser	Pro	Val	Trp	Glu	Glu	Ala	Ser	Lys	Cys	Leu	Leu	Phe	Val	
20									25				30			

gac	atc	cct	tca	aag	act	gtc	tgc	cga	tgg	gat	tcg	atc	agc	aat	cga	144
Asp	Ile	Pro	Ser	Lys	Thr	Val	Cys	Arg	Trp	Asp	Ser	Ile	Ser	Asn	Arg	
35								40				45				

gtg	cag	cga	gtt	ggt	gtt	gta	gat	gcc	cca	gtc	agt	tca	gtg	gca	ctt	cga	192
Val	Gln	Arg	Val	Gly	Val	Asp	Ala	Pro	Val	Ser	Ser	Val	Ala	Leu	Arg		
50					55						60						

cag	tca	gga	ggc	tat	gtt	gcc	acc	att	gga	acc	aag	ttc	tgt	gct	ttg	240
Gln	Ser	Gly	Gly	Tyr	Val	Ala	Thr	Ile	Gly	Thr	Lys	Phe	Cys	Ala	Leu	
65					70				75		80					

aac	tgg	gaa	gat	caa	tca	gta	ttt	atc	cta	gcc	atg	gtg	gat	gaa	gat	288
Asn	Trp	Glu	Asp	Gln	Ser	Val	Phe	Ile	Leu	Ala	Met	Val	Asp	Glu	Asp	
85								90				95				

aag aaa aac aat cga ttc aat gat ggg aag gtg gat cct gct ggg aga		336	
Lys Lys Asn Asn Arg Phe Asn Asp Gly Lys Val Asp Pro Ala Gly Arg			
100	105	110	
 tac ttt gct ggt acc atg gct gag gaa acc gcc cca gct gtt ctg gag		384	
Tyr Phe Ala Gly Thr Met Ala Glu Glu Thr Ala Pro Ala Val Leu Glu			
115	120	125	
 cg ^g cac caa ggg tcc ttg tac tcc ctt ttt cct gat cac agt gtg aag		432	
Arg His Gln Gly Ser Leu Tyr Ser Leu Phe Pro Asp His Ser Val Lys			
130	135	140	
 aaa tac ttt aac caa gtg gat atc tcc aat ggt ttg gat tgg tcc ctg		480	
Lys Tyr Phe Asn Gln Val Asp Ile Ser Asn Gly Leu Asp Trp Ser Leu			
145	150	155	160
 gac cat aaa atc ttc tac tac att gac agc ctg tcc tac act gtg gat		528	
Asp His Lys Ile Phe Tyr Tyr Ile Asp Ser Leu Ser Tyr Thr Val Asp			
165	170	175	
 gcc ttt gac tat gac ctg cca aca gga cag att tcc aac cgc agg act		576	
Ala Phe Asp Tyr Asp Leu Pro Thr Gly Gln Ile Ser Asn Arg Arg Thr			
180	185	190	
 gtt tac aag atg gaa aaa gat gaa caa atc cca gat gga atg tgc att		624	
Val Tyr Lys Met Glu Lys Asp Glu Gln Ile Pro Asp Gly Met Cys Ile			
195	200	205	
 gat gtt gag ggg aag ctt tgg gtg gcc tgt tac aat gga gga aga gta		672	
Asp Val Glu Gly Lys Leu Trp Val Ala Cys Tyr Asn Gly Gly Arg Val			
210	215	220	
 att cgc cta gat cct gag aca ggg aaa aga ctg caa act gtg aag ttg		720	
Ile Arg Leu Asp Pro Glu Thr Gly Lys Arg Leu Gln Thr Val Lys Leu			
225	230	235	240
 cct gtt gat aaa aca act tca tgc tgc ttt gga ggg aag gat tac tct		768	
Pro Val Asp Lys Thr Thr Ser Cys Cys Phe Gly Gly Lys Asp Tyr Ser			
245	250	255	
 gaa atg tac gtg aca tgt gcc agg gat ggg atg agc gcc gaa ggt ctt		816	
Glu Met Tyr Val Thr Cys Ala Arg Asp Gly Met Ser Ala Glu Gly Leu			
260	265	270	
 ttg agg cag cct gat gct ggt aac att ttc aag ata aca ggt ctt ggg		864	
Leu Arg Gln Pro Asp Ala Gly Asn Ile Phe Lys Ile Thr Gly Leu Gly			
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Gly Glu Ser Pro Val Trp Glu Glu Ala Ser Lys Cys Leu Leu Phe Val
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Asp Ile Pro Ser Lys Thr Val Cys Arg Trp Asp Ser Ile Ser Asn Arg
35 40 45

Val Gln Arg Val Gly Val Asp Ala Pro Val Ser Ser Val Ala Leu Arg
50 55 60

Gln Ser Gly Gly Tyr Val Ala Thr Ile Gly Thr Lys Phe Cys Ala Leu
65 70 75 80

Asn Trp Glu Asp Gln Ser Val Phe Ile Leu Ala Met Val Asp Glu Asp
85 90 95

Lys Lys Asn Asn Arg Phe Asn Asp Gly Lys Val Asp Pro Ala Gly Arg
100 105 110

Tyr Phe Ala Gly Thr Met Ala Glu Glu Thr Ala Pro Ala Val Leu Glu
115 120 125

Arg His Gln Gly Ser Leu Tyr Ser Leu Phe Pro Asp His Ser Val Lys
130 135 140

Lys Tyr Phe Asn Gln Val Asp Ile Ser Asn Gly Leu Asp Trp Ser Leu
145 150 155 160

Asp His Lys Ile Phe Tyr Tyr Ile Asp Ser Leu Ser Tyr Thr Val Asp
165 170 175

Ala Phe Asp Tyr Asp Leu Pro Thr Gly Gln Ile Ser Asn Arg Arg Thr
180 185 190

Val Tyr Lys Met Glu Lys Asp Glu Gln Ile Pro Asp Gly Met Cys Ile
195 200 205

Asp Val Glu Gly Lys Leu Trp Val Ala Cys Tyr Asn Gly Gly Arg Val
210 215 220

Ile Arg Leu Asp Pro Glu Thr Gly Lys Arg Leu Gln Thr Val Lys Leu
225 230 235 240

Pro Val Asp Lys Thr Thr Ser Cys Cys Phe Gly Gly Lys Asp Tyr Ser
245 250 255

Glu Met Tyr Val Thr Cys Ala Arg Asp Gly Met Ser Ala Glu Gly Leu
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Leu Arg Gln Pro Asp Ala Gly Asn Ile Phe Lys Ile Thr Gly Leu Gly
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Val Lys Gly Ile Ala Pro Tyr Ser Tyr Ala Gly
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<212> DNA
<213> Artificial Sequence

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primer huRC-1

<400> 3
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